

1 TCTTCTTCTC TTCTTTCTT TCTTTCTT

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!!NA_SEQUENCE 1.0
ID AAT93833 standard; DNA; 27 BP.
XX
AC AAT93833;
XX
DI 25-MAR-2003 (updated)
DT 24-FEB-1998 (first entry)
XX
DE Phosphodiester oligonucleotide 23 with cytotoxic activity.
XX
KW Phosphodiester; selective binding; cell viability; growth;
KW tumoural cell line; cytotoxic activity; tumour cell; lymphoma;
KW lymphoblastic tumour; ss.
XX
OS Synthetic.
XX
FH Key Location/Qualifiers
FT modified_base 1..27 a
FT /*tag= a
FT /note= "phosphodiester oligonucleotide"
XX
PN WO9720924-A1.
XX
PD 12-JUN-1997.
XX
PF 04-DEC-1996; 96WO-EP05388.
XX
PR 04-DEC-1995; 95IT-M102539.
XX
PA (SAIC-) SAICOM SRL.
XX
PI Quadrifoglio F, Scaggiante B;
XX
WP 1997-319771/29.
XX
New phosphodiesteric oligonucleotide(s) - which exert a specific
and selective cytotoxic effect on tumour cells, for treating both
solid and liquid tumours
XX
Example 4; Page 11; 38pp; English.
XX
Novel phosphodiesteric oligonucleotides AAT93830-33 are based on the
generic formula, in the 3'-5' or 5'-3' direction:
(GaTa')a''-(GbTb')b''-(GcTc')c''-(GdTd')d''-(GeTe')e''-(GfTf')f''-
(GgTg')g''-N', where:
N and N' = T or G, equal or different from each other;
x = 0-8, equal or different from each other;
a, b, c, d, e, f, and g = 0-10, equal or different from each other;
a', b', c', d', e', f', and g' = 0-30, equal or different from each
other;
a'', b'', c'', d'', e'', f'', and g'' = 1-16, equal or different from
each other;
The oligonucleotides (see also AAT93811-27) are believed to selectively
bind and sequester some proteins which are essential to the viability
and growth of tumoural cell lines. They have specific and selective
cytotoxic activity against tumour cells, and can be used for treating
tumours of the liquid type, in particular of lymphoblastic origin, and of
the solid type, in particular lymphomas. These oligonucleotides were
created to determine the relevance of the repeating unit (GTn) for
cytotoxic activity. The results for oligonucleotides AAT93830-33 show
that oligonucleotides having (CT), (AT), and (GC) repeating units cannot
significantly alter the cellular growth, while the oligonucleotide
containing the (GA) repeating unit is only poorly toxic at high
concentrations.
XX
(Updated on 25-MAR-2003 to correct PR field.)
XX
Sequence 27 BP; 20 A; 0 C; 7 G; 0 U; 0 other;
SQ
AAT93833 Length: 27 October 6, 2003 10:11 Type: N Check: 5158 ..
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!!NA\_SEQUENCE 1.0  
ID ABS54657 standard; DNA: 26 BP.  
XX  
AC ABS54657;  
XX  
DT 03-DEC-2002 (first entry)  
XX  
XX Human p53 protein chromosomal binding region oligonucleotide Hoo91.  
DE  
XX  
XX Human; ss; p53; chromosomal binding region; cancer; carcinoma; sarcoma;  
KW breast cancer; adrenal cortex cancer; colon cancer; bladder cancer;  
KW prostate cancer; lung cancer; leukemic cancer.  
XX  
OS Homo sapiens.  
XX  
XX US2002103153-A1.  
PN  
XX  
XX 01-AUG-2002.  
PD  
XX  
XX 22-AUG-2001: 2001US-0935247.  
PF  
XX  
XX 01-MAY-1992: 92US-0879618.  
PR  
XX 15-AUG-1994: 94US-0291011.  
PR  
XX 10-MAR-1999: 99US-0266065.  
PR  
XX 06-APR-1992: 92US-0863661.  
PR  
XX (RERR/) RE R.  
PA (COOK/) COOK J.  
PA  
XX  
XX Re R, Cook J;  
PI  
XX  
XX WPI: 2002-674027/72.  
DR  
XX  
XX Composition for treating cancer comprises an oligonucleotide that binds  
PT a chromosomal binding site for p53 .  
XX  
XX Claim 5: Page 3: 13pp; English.  
PS  
XX The invention relates to composition comprising an oligonucleotide that  
CC can bind a chromosomal binding site for p53 protein, and a  
CC pharmaceutically acceptable carrier. The composition is useful for  
CC inhibiting mammalian (e.g. human, ape, monkey, cow, mouse, rat, hamster,  
CC rabbit, cat, sheep or bull, dog, horse) cell growth and replication,  
CC especially cancer (e.g. carcinoma, sarcoma, breast cancer, adrenal cortex  
CC cancer, colon cancer, bladder cancer, prostate cancer, lung cancer or  
CC leukaemic cancer). The present sequence is human p53 protein chromosomal  
CC binding region oligonucleotide Hoo91 which binds at position 70-95  
CC of the sequence appearing as ABS54650.  
XX  
SQ Sequence 26 BP; 0 A; 7 C; 0 G; 19 T; 0 other;  
ABS54657 Length: 26 October 6, 2003 10:11 Type: N Check: 7597 ..  
1 TTCTTCTT TCITCTTTC TTITCC